

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name EAGLE CREEK		Waterbody ID Code 1808400	Sample ID (YYYYMMDD-CY-FD) 20171011-06-01
Sampling Location 20m US of bridge - 1st riffle			Database Key 149644348
SWIMS Station ID 10010659		SWIMS Station Name EAGLE CREEK AT SCHAFFNER VALLEY ROAD	
Latitude 44.2336	Longitude -91.68068	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BUFFALO - TREMPLEAU		Watershed Name WAUMANDEE CREEK	County BUFFALO
Sample and Site Descriptors			
Sample Collector (Last Name, First) MYCAL RALEIGH		Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2017	
Sampling Device			
☒ D-Frame Kick Net ☐ Surber Sampler ☐ Eckman ☐ Ponar ☐ Artificial Substrate ☐ Hess Sampler ☐ Other: _____			
Habitat Sampled			
☒ Riffle ☐ Run ☐ Pool ☐ Other ☐ Shoreline Composite ☐ Proportionally-Sampled Habitat ☐ Littoral Zone ☐ Profundal Zone ☐ Wetland			
Total Sampling Time (min) 1 min	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: <u>NCSR</u>			
Water Temp. (C) 10.58	D.O. (mg/l) 11.64	D.O. (%sat.) 104.7	pH (su) 7.94
Conductivity (umhos/cm) 616		Transparency (cm)	
Water Color ☒ Clear ☐ Turbid ☐ Stained		Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 3.5	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): <u>10%</u>	Rubble (tennisball to basketball): <u>80%</u>	Gravel (ladybug to tennisball): <u>5%</u>
Sand: <u>5%</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>10%</u>		Canopy Cover at Sample Site (%) <u>0%</u>	

Stream and Watershed Descriptors

N = Not a problem
U = Uncertain

PL = Present, Low Impact
PH = Present, High Impact

Factors that may be influencing Water Resource Integrity	Local	Water- shed	Factors that may be influencing Water Resource Integrity	Local	Water- shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	U	Chlorine	N	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
			Point Source - Specify:	N	U
Physical			Pasturing of Livestock	PL	PH
Bank Erosion	PL	PH	Runoff: - Barnyard	N	PL
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	PL	PH
Hydraulic Scour / Channel Incision	PL	U	- Urban	N	N
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	PL	PH	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	N	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments Agriculture, pastures, & barnyards present & close to stream within watershed.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Kayla Wilcox	Taxonomist	Dimick, Jeffray	Estimated Percent of Sample Sorted	74/10
Date Processed	08/14/18	Specimens Saved	Subsample archived in ABL until Dec 2021		

CI = 150

Wisconsin Department of Natural Resources

ABL SampleNum: 20171011-06-01

Taxonomist: Dimick, Jeffrey

Waterbody: Eagle Creek
SWIMS Database Key: 149644348

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Taxa		Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneipalpis</i>		L	oiii	24	Klob 2016		
<i>B. tricaudatus</i>		L	xiii	13	"		
<i>B. flavistriga</i> group		L	ii	2	"		
Hydropsychidae		L	i	1	Hils 1995	imm	N
<i>Ceratomyza</i>		L	-i	6	"		
<i>Hydropsyche betteni</i>		L	i	1	Schm Hils 1986		
<i>Ceratomyza</i>		L	iii	3	Hils 1995	imm	N
<i>C. albedra</i>		L	ii	2	Schm Hils 1986		
<i>C. glossaria</i>		L	ii	2	"		
<i>Oreoseinus</i>		L	i	1	Hils Schm 1992	imm	N
<i>O. fastiditus</i>	L, 1 A, 1	LA	ii	2	"		
<i>Stenelmis crenata</i>		A	i	1	"		
<i>Atherix variegata</i>		L	i	1	Hils 1995		
<i>Limnocythere</i>		L	ii	2	Genl Met 2008		
<i>Simulium tuberosum</i> species complex		L	iii	3	Adl et al 2004		
<i>S. jenningsi</i> species complex		L	i	1	"		
<i>Anatopynia</i>		L	-iii	8	Hils 1995		
<i>Tipula</i>		L	i	1	"		
<i>Simulium</i>		P	iii	3	Adl et al 2004		N
<i>Tuctenia</i>		P	ii	2	Ferr et al 2008		N
<i>Gammarus pseudolimnoides</i>		A	oiii	24	Hils 1972		
<i>Sperchea</i>		A	i	1	Pluch 1984		
<i>Naidinae</i>		A	iii	4	Brin Geld 1991		
<i>Macroneurina</i>		L	i	1	Can Epl 2013		
<i>Thienemannimyia</i> group		L	i	1	"	mt indet	N
<i>Eukiefferiella claripennis</i> group		L	iii	3	Andert 3 2013		
<i>E. devonica</i> group		L	i	1	"		
<i>Parametaneurina</i>		L	ii	2	"		
<i>Tuctenia bavarica</i> group		L	ii	2	Bode 1983		
<i>Microtendipes pedellus</i> group		L	x	10	Epl et al 2013		
<i>Paratanytarsus longistylus</i>		L	ii	2	"		
<i>Polypodilum (Uresipodilum) aviceps</i>		L	xii	12	Bolton 2012		
<i>Xenotanytarsus</i>		L	x	10	Epl et al 2013		